

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **HUMAN TELOMERASE CATALYTIC SUBUNIT**: the specification of which: is attached hereto or X was filed on November 19, 1997 as Application No. 08/974,549 and was amended on (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
PCT	PCT/US97/17885	October 1, 1997	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PCT	PCT/US97/17618	October 1, 1997	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status		
08/915,503	August 14, 1997	Patented	<input checked="" type="checkbox"/>	Pending
08/912,951	August 14, 1997	Patented	<input checked="" type="checkbox"/>	Pending
08/911,312	August 14, 1997	Patented	<input checked="" type="checkbox"/>	Pending
08/854,050	May 9, 1997	Patented	<input checked="" type="checkbox"/>	Pending
08/851,843	May 6, 1997	Patented	<input checked="" type="checkbox"/>	Pending
08/846,017	April 25, 1997	Patented	<input checked="" type="checkbox"/>	Pending
08/844,419	April 19, 1996	Patented	<input checked="" type="checkbox"/>	Pending
08/724,643	October 1, 1996	Patented	<input checked="" type="checkbox"/>	Pending

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

William M. Smith, Reg. No. 30,223
 Randolph T. Apple, Reg. No. 36,429
 Joe Liebeschuetz, Reg. No. 37,505
 Greg P. Einhorn, Reg. No. 38,440
 Kevin Kaster, Reg. No. 32,704
 David Lentini, Reg. No. 33,944

Send Correspondence to: William M. Smith TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: William M. Smith Reg. No.: 30,223 Telephone: (415) 576-0200
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Full Name of Inventor 1	Last Name Cech	First Name Thomas	Middle Name or Initial R.
Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship United States
Post Office Address	Post Office Address 1545 Rockmont Circle	City Boulder	State/Country Colorado Zip Code 80303
Full Name of Inventor 2	Last Name Lingner	First Name Jachim	Middle Name or Initial

Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Switzerland	
Post Office Address	Post Office Address 360 30th Street	City Boulder	State/Country Colorado	Zip Code 80303
Full Name of Inventor 3	Last Name Nakamura	First Name Toru	Middle Name or Initial	
Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Japan	
Post Office Address	Post Office Address 4940 Thunderbird Circle #204	City Boulder	State/Country Colorado	Zip Code 80303
Full Name of Inventor 4	Last Name Chapman	First Name Karen	Middle Name or Initial B.	
Residence & Citizenship	City Sausalito	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 71 Cloud View Road	City Sausalito	State/Country California	Zip Code 94965

Full Name of Inventor 5	Last Name Morin	First Name Gregg	Middle Name or Initial B.	
Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 3407 Janice Way	City Palo Alto	State/Country California	Zip Code 94303
Full Name of Inventor 6	Last Name Harley	First Name Calvin	Middle Name or Initial B.	
Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship Canada	
Post Office Address	Post Office Address 1730 University Avenue	City Palo Alto	State/Country California	Zip Code 94301
Full Name of Inventor 7	Last Name Andrews	First Name William	Middle Name or Initial H.	
Residence & Citizenship	City Richmond	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 6102 Park Avenue	City Richmond	State/Country California	Zip Code 94805

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 Thomas R. Cech	Signature of Inventor 2 Joachim Lingner	Signature of Inventor 3 Toru Nakamura
Date	Date	Date
Signature of Inventor 4 Karen B. Chapman	Signature of Inventor 5 Gregg B. Morin	Signature of Inventor 6 Calvin B. Harley
Date 5/11/98	Date 5/18/98	Date May 13, 1998
Signature of Inventor 7 William H. Andrews		
Date 4/8/98		

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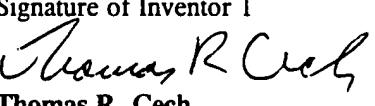
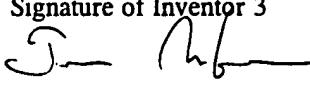
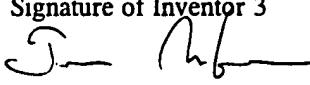
Send Correspondence to: William M. Smith TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: William M. Smith Reg. No.: 30,223 Telephone: (415) 576-0200
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Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship United States
Post Office Address	Post Office Address 1545 Rockmont Circle	City Boulder	State/Country Col rad
Full Name of Inventor 2	Last Name Lingner	First Name J achim	Middle Name or Initial

Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Switzerland	
Post Office Address	Post Office Address 360 30th Street	City Boulder	State/Country Colorado	Zip Code 80303
Full Name of Inventor 3	Last Name Nakamura	First Name Toru	Middle Name or Initial	
Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Japan	
Post Office Address	Post Office Address 4940 Thunderbird Circle #204	City Boulder	State/Country Colorado	Zip Code 80303
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Residence & Citizenship	City Sausalito	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 71 Cloud View Road	City Sausalito	State/Country California	Zip Code 94965

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Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 3407 Janice Way	City Palo Alto	State/Country California	Zip Code 94303
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Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship Canada	
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Residence & Citizenship	City Richmond	State/Foreign Country California	Country of Citizenship United States	
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Signature of Inventor 1  Thomas R. Cech	Signature of Inventor 2  Joachim Lingner	Signature of Inventor 3  Toru Nakamura
Date 3-31-98	Date	Date 3/31/98
Signature of Inventor 4 Karen B. Chapman	Signature of Inventor 5 Gregg B. Morin	Signature of Inventor 6 Calvin B. Harley
Date	Date	Date
Signature of Inventor 7 William H. Andrews		
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Residence & Citizenship	City Boulder	State/Foreign Country Colorad	Country of Citizenship United States	
Post Office Address	Post Office Address 1545 Rockmont Circle	City Boulder	State/Country Colorado	Zip Code 80303

Full Name of Inventor 2	Last Name Lingner	First Name Joachim	Middle Name or Initial	
Residence & Citizenship	City 1066 Epalinges	State/Foreign Country Switzerland	Country of Citizenship Switzerland	
Post Office Address	Post Office Address Place de la Croix-Blanche 25	City 1066 Epalinges	State/Country Switzerland	Zip Code
Full Name of Inventor 3	Last Name Nakamura	First Name Toru	Middle Name or Initial	
Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Japan	
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Residence & Citizenship	City Sausalito	State/Foreign Country California	Country of Citizenship United States	
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Signature of Inventor 1 Thomas R. Cech	Signature of Inventor 2 <i>J. Lingner</i> Joachim Lingner	Signature of Inventor 3 Toru Nakamura
Date 3/16/98	Date	Date
Signature of Inventor 4 Karen B. Chapman	Signature of Inventor 5 Gregg B. Morin	Signature of Inventor 6 Calvin B. Harley
Date	Date	Date
Signature of Inventor 7 William H. Andrews		
Date		